

IN THE CLAIMS:

The text of all pending claims (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 38, 75, 80 and 84-85 in accordance with the following:

1. (Currently amended) A message transmitting and receiving apparatus comprising:

a memory, storing keywords associated with said apparatus and degrees of importance of said keywords, the keywords being stored in said memory and used only for a user of said message transmitting and receiving apparatus;

a detector, detecting an occurrence of a transmitted or received message;

an extractor, in response to the detection of an occurrence of said received message, extracting a keyword from said received message, wherein the keywords stored in said memory are used for indicating, to the user of said message transmitting and receiving apparatus, an occurrence of a received message from another apparatus containing the keyword stored in said memory;

importance determiner unit, determining dynamically a degree of importance of said extracted keyword and updating said keywords and said degrees of importance in said memory, wherein the degree of importance of the keywords changes in accordance with time, said importance determiner unit raises the degree of importance of the keyword stored in said memory, in response to the detection of an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword, and said importance determiner unit ~~is capable of causing~~ causes the degree of importance of the keyword to be lowered in accordance with time in the absence of an occurrence of such a transmitted message, and said importance determiner unit does not raise the degree of importance of the keyword when an occurrence of the received message containing the keyword has been detected but an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword has not been detected; and

an indicator, providing an indication of the occurrence of said extracted keyword within said received message in accordance with the determined degree of importance of said extracted keyword.

2. (previously presented) The apparatus according to Claim 1, wherein said indicator providing the indication provides at least one of visual and audio indications of an occurrence of said extracted keyword in a manner determined by a degree of importance of said extracted keyword.

3. (cancelled)

4. (original) The apparatus according to Claim 1 wherein said extractor further stores a new keyword extracted from a received message in said memory together with a degree of importance of said new keyword.

5. (previously presented) The apparatus according to Claim 1 wherein said extractor extracts also a candidate keyword from a received message, and said apparatus further comprises a register, storing in said memory, a candidate keyword as a keyword, together with a degree of importance of the candidate keyword, when a user of the apparatus responds to received message data containing the candidate keyword within a predetermined range.

6. (original) The apparatus according to Claim 5 wherein said predetermined range is a predetermined number of messages.

7. (original) The apparatus according to Claim 5 wherein said predetermined range is a predetermined number of lines.

8. (original) The apparatus according to Claim 5 wherein said predetermined range is a predetermined number of words.

9. (original) The apparatus according to Claim 5 wherein said predetermined range is a predetermined number of characters.

10. (original) The apparatus according to Claim 5 wherein said predetermined range is a predetermined time period.

11. (original) The apparatus according to Claim 5 wherein said message data within a predetermined range is messages received consecutively from a same client.

12. (cancelled)

13. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit determines a degree of importance of a keyword stored in said memory, depending on whether a user of the apparatus has responded to a received message containing said keyword within a predetermined range.

14. (original) The apparatus according to Claim 13 wherein said predetermined range is a predetermined number of messages.

15. (original) The apparatus according to Claim 13 wherein said predetermined range is a predetermined number of lines.

16. (original) The apparatus according to Claim 13 wherein said predetermined range is a predetermined number of words.

17. (original) The apparatus according to Claim 13 wherein said predetermined range is a predetermined number of characters.

18. (original) The apparatus according to Claim 13 wherein said predetermined range is a predetermined time period.

19. (original) The apparatus according to Claim 13 wherein said message data within a predetermined range is messages received consecutively from a same client.

20. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit changes a degree of importance of a keyword for a predetermined time period after an occurrence of a transmitted message from a user of the apparatus.

21. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit lowers a degree of importance of a keyword for a predetermined time period after an occurrence of a transmitted message from a user of the apparatus.

22. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit changes a degree of importance of a keyword during a time

period when a user of the apparatus is operating an input device of the apparatus and during a predetermined time period after the user stops operating the input device.

23. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit lowers a degree of importance of a keyword during a time period when a user of the apparatus is operating an input device of the apparatus and during a predetermined time period after the user stops operating the input device.

24. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit determines a degree of importance of a keyword according to schedule data of a user of the apparatus.

25. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit raises a degree of importance of a keyword according to schedule data of a user of the apparatus.

26. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit sets, in accordance with a time period, a keyword and a degree of importance thereof designated by a user of said apparatus, the degree of importance of said keyword effective during said time period.

27. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit determines a degree of importance of a keyword in accordance with the number of occurrences of the keyword in a predetermined range of received message data.

28. (original) The apparatus according to Claim 27 wherein said predetermined range is a predetermined number of messages.

29. (original) The apparatus according to Claim 27 wherein said predetermined range is a predetermined number of lines.

30. (original) The apparatus according to Claim 27 wherein said predetermined range is a predetermined number of words.

31. (original) The apparatus according to Claim 27 wherein said predetermined

range is a predetermined number of characters.

32. (original) The apparatus according to Claim 27 wherein said predetermined range is a predetermined time period.

33. (original) The apparatus according to Claim 27 wherein said message data within a predetermined range is messages received consecutively from a same client.

34. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit lowers a degree of importance of a keyword when the number of occurrences of the keyword in received message data within a predetermined time period exceeds a predetermined number.

35. (previously presented) The apparatus according to Claim 1 wherein said importance determiner unit determines a degree of importance of a keyword in accordance with an attribute of a received message containing the keyword.

36. (original) The apparatus according to Claim 35 wherein the attribute of said received message is a network, a channel or a client.

37. (cancelled)

38. (currently amended) A program stored on a recording medium to transmit and receive messages, said program being for use in an information processing apparatus, said information processing apparatus including a processor and a memory, said program causing said processor to provide an indication of an occurrence of an extracted keyword by:

detecting an occurrence of a transmitted or received message;

extracting, in response to the detection of an occurrence of said received message, a keyword from said received message;

storing, in said memory, keywords associated with said apparatus and degrees of importance of said keywords, wherein the keywords are stored in said memory and used only for a user of said message transmitting and receiving apparatus, and the keywords stored in said memory are used for indicating, to the user of said message transmitting and receiving apparatus,

an occurrence of a received message from another apparatus containing the keyword stored in said memory;

dynamically determining a degree of importance of said extracted keyword to update keywords associated with said apparatus and degrees of importance of the keywords stored in said memory, wherein the degree of importance of the keywords changes in accordance with time, the degree of importance of the keyword stored in said memory is raised in response to an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword, ~~and~~ the degree of importance of the keyword ~~can be~~is lowered in accordance with time in the absence of an occurrence of such a transmitted message, and the degree of importance of the keyword is not raised when an occurrence of the received message containing the keyword has been detected but an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword has not been detected; and

providing the indication of the occurrence of said extracted keyword within said received message in accordance with the determined degree of importance of said extracted keyword.

39. (previously presented) The program according to Claim 38 wherein the providing the indication provides at least one of visual and audio indications of an occurrence of said extracted keyword in a manner determined by a degree of importance of said extracted keyword.

40. (cancelled)

41. (previously presented) The program according to Claim 38 wherein said extracting includes storing, in said memory, a new keyword extracted from a received message, together with a degree of importance thereof.

42. (previously presented) The program according to Claim 38 wherein said extracting includes also extracting a candidate keyword from a received message, and said program further causes said processor to perform the storing, in said memory, a candidate keyword as a keyword, together with a degree of importance thereof, when a user of the apparatus has responded to received message data containing the

candidate keyword within a predetermined range.

43. (original) The program according to Claim 42 wherein said predetermined range is a predetermined number of messages.

44. (original) The program according to Claim 42 wherein said predetermined range is a predetermined number of lines.

45. (original) The program according to Claim 42 wherein said predetermined range is a predetermined number of words.

46. (original) The program according to Claim 42 wherein said predetermined range is a predetermined number of characters.

47. (original) The program according to Claim 42 wherein said predetermined range is a predetermined time period.

48. (original) The program according to Claim 42 wherein said message data within a predetermined range is messages received consecutively from a same client.

49. (previously presented) The program according to Claim 38 wherein said determining a degree of importance determines a degree of importance of a keyword stored in said memory, depending on whether a user of the apparatus has responded to a received message containing said keyword within a predetermined range.

50. (original) The program according to Claim 49 wherein said predetermined range is a predetermined number of messages.

51. (original) The program according to Claim 49 wherein said predetermined range is a predetermined number of lines.

52. (original) The program according to Claim 49 wherein said predetermined range is a predetermined number of words.

53. (original) The program according to Claim 49 wherein said predetermined range is a predetermined number of characters.

54. (original) The program according to Claim 49 wherein said predetermined range is a predetermined time period.

55. (original) The program according to Claim 49 wherein said message data within a predetermined range is messages received consecutively from a same client.

56. (cancelled)

57. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes changing a degree of importance of a keyword for a predetermined time period after an occurrence of a transmitted message from a user of the apparatus.

58. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes lowering a degree of importance of a keyword for a predetermined time period after an occurrence of a transmitted message from a user of the apparatus.

59. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes changing a degree of importance of a keyword during a time period when a user of the apparatus is operating an input device of the apparatus and during a predetermined time period after the user stops operating the input device.

60. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes lowering a degree of importance of a keyword during a time period when a user of the apparatus is operating an input device of the apparatus and during a predetermined time period after the user stops operating the input device.

61. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes determining a degree of importance of a keyword according to schedule data of a user of the apparatus.

62. (previously presented) The program according to Claim 38 wherein said

determining a degree of importance includes raising a degree of importance of a keyword according to schedule data of a user of the apparatus.

63. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes setting, in accordance with a time period, a keyword and a degree of importance thereof designated by a user of said apparatus, the degree of importance of said keyword effective during said time period.

64. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes determining a degree of importance of a keyword in accordance with the number of occurrences of the keyword in a predetermined range of received message data.

65. (original) The program according to Claim 64 wherein said predetermined range is a predetermined number of messages.

66. (original) The program according to Claim 64 wherein said predetermined range is a predetermined number of lines.

67. (original) The program according to Claim 64 wherein said predetermined range is a predetermined number of words.

68. (original) The program according to Claim 64 wherein said predetermined range is a predetermined number of characters.

69. (original) The program according to Claim 64 wherein said predetermined range is a predetermined time period.

70. (original) The program according to Claim 64 wherein said message data within a predetermined range is messages received consecutively from a same client.

71. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes lowering a degree of importance of a keyword when the number of occurrences of the keyword in received message data within a predetermined time period exceeds a predetermined number.

72. (previously presented) The program according to Claim 38 wherein said determining a degree of importance includes determining a degree of importance of a keyword in accordance with an attribute of a received message containing the keyword.

73. (original) The program according to Claim 38 wherein the attribute of said received message is a network, a channel or a client.

74. (cancelled)

75. (currently amended) A method to process a keyword in a message transmitting and receiving apparatus, comprising:

detecting an occurrence of a transmitted or received message;

extracting, in response to the detection of an occurrence of said received message, a keyword from said received message;

storing, in said memory, keywords associated with said apparatus and degrees of importance of said keywords, wherein the keywords are stored in said memory and used only for a user of said message transmitting and receiving apparatus, and the keywords stored in said memory are used for indicating, to the user of said message transmitting and receiving apparatus, an occurrence of a received message from another apparatus containing the keyword stored in said memory;

dynamically determining a degree of importance of said extracted keyword to update keywords associated with said apparatus and degrees of importance of the keywords stored in a memory, wherein the degree of importance of the keywords changes in accordance with time, the degree of importance of the keyword stored in said memory is raised in response to the detection of an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword, and the degree of importance of the keyword ~~can be~~ is lowered in accordance with time in the absence of an occurrence of such a transmitted message, and the degree of importance of the keyword is not raised when an occurrence of the received message containing the keyword has been detected but an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword has not been detected; and

providing an indication of the occurrence of said extracted keyword within said

received message in accordance with the determined degree of importance of said extracted keyword.

76. (cancelled)

77. (previously presented) The method according to Claim 75 wherein said determining a degree of importance includes setting, in accordance with a time period, a keyword and a degree of importance thereof designated by a user of said apparatus, the degree of importance of said keyword effective during said time period.

78. (previously presented) The method according to Claim 75 wherein said determining a degree of importance includes determining a degree of importance of a keyword in accordance with an attribute of a received message containing the keyword.

79. (cancelled)

80. (currently amended) A message transmitting and receiving apparatus comprising:

a message importance identifier, dynamically determining registered keywords and candidate keywords, assigning a degree of importance to each of the registered keywords and the candidate keywords, dynamically changing the degree of importance of the registered keywords and candidate keywords in accordance with time, the message importance identifier raising the degrees of importance of the keywords and candidate keywords stored in the memory, in response to the detection of an occurrence of a transmitted message which has been prepared in the apparatus in response to the received message containing the keyword, and the message importance identifier ~~is capable of causing~~causes the degree of importance of the keyword to be lowered in accordance with time in the absence of an occurrence of such a transmitted message, wherein said message importance identifier does not raise the degree of importance of the keyword when an occurrence of the received message containing the keyword has been detected but an occurrence of a transmitted message which has been prepared in said apparatus in response to the received message containing the keyword has not been detected; and

a memory, storing registered keywords and candidate keywords associated with the apparatus and the degrees of importance of the registered keywords and candidate keywords, the keywords being stored in said memory and used only for a user of said message transmitting and receiving apparatus, wherein the keywords stored in said memory

are used for indicating, to the user of said message transmitting and receiving apparatus, an occurrence of a received message from another apparatus containing the keyword stored in said memory,

wherein the degree of importance of the keyword stored in said memory is raised in response to the detection of an occurrence of the keyword in a message, and the degree of importance of the keyword is lowered in the absence of the keyword in messages.

81. (previously presented) The apparatus of claim 80, wherein the message importance identifier comprises:

a detector, detecting the occurrence of the transmitted or received message;
an extractor, in response to the detection of the occurrence of the received message, extracting at least one of a registered keyword and a candidate keyword from said received message;

an importance determiner unit, determining dynamically a degree of importance of the extracted keyword and updating the keywords and the degrees of importance in the memory, wherein the degree of importance of the keywords changes in accordance with time; and

an indicator, providing an indication of the occurrence of said extracted keyword within said received message in accordance with the determined degree of importance of said extracted keyword.

82. (previously presented) The apparatus according to Claim 1, further comprising means for deleting a keyword having a degree of importance lower than a threshold value.

83. (previously presented) The program according to Claim 38, further causing said processor to perform the deleting a keyword having a degree of importance lower than a given threshold value.

84. (currently amended) The apparatus according to Claim 475, further comprising means for deleting a keyword having a degree of importance lower than a threshold value.

85. (currently amended) The program according to Claim 3880, further causing said processor to perform the deleting of a keyword having a degree of importance lower than a given threshold value.